

4TH ANNUAL
CAL POLY POMONA
STUDENT

RESEARCH, SCHOLARSHIP, &
CREATIVE ACTIVITIES (RSCA)
CONFERENCE

March 4th, 2016
Event Schedule

University Library (Building 15) - Oral Presentations

Session	Disciplines	Room	Time
	Information Table Open		12:30 pm
1	Graduate Biological and Agricultural Sciences	1st Floor- 1802	1:15-4:45 pm
2	Business, Economics, and PA; Behavioral and Social Sciences	1st Floor- 1808	2:00-4:00 pm
3	Undergraduate Bio. and Ag. Sciences; Health, Nutrition, and Clinical Sciences	1st Floor- 1814	1:15-5:00 pm
4	Behavioral and Social Sciences; Humanities and Letters	1st Floor- 1822	1:15-4:45 pm
5	Engineering and Computer Science	1st Floor- 1828	1:00-4:45 pm
6	Behavioral and Social Sciences; Humanities and Letters; Education	1st Floor- W.K. Kellogg Arabian Horse Library	1:00-4:00 pm
7	Engineering and Computer Science; Physical and Mathematical Sciences	2nd Floor - 2907	1:00-4:30 pm
8	Engineering and Computer Science; Physical and Mathematical Sciences	2nd Floor - 2913	1:00-4:30 pm
9	Engineering and Computer Science	3rd Floor- Grand Reading Room	12:45-4:45 pm
10	Humanities and Letters; Behavioral and Social Sciences	4th Floor- Special Collections	12:45-4:00 pm
11	Graduate Biological Sciences	4th Floor- Special Events	12:45-4:45 pm

Bronco Student Center (Building 35) - Poster, Performance and Conference Reception

Session	Room	Time
Check-In Table Open		3:00 pm
Poster Presentations - All Disciplines	Ursa Major	4:00-5:00 pm
Performance - Research in Dance Making	Ursa Major	5:00 pm
Reception and Awards	Ursa Major	5:30-6:30 pm

NO PRINTED PROGRAM AT CONFERENCE.
INTERACTIVE WEBSITE WILL HAVE CONFERENCE SCHEDULE AND PROJECT ABSTRACTS:
bit.ly/cppsrc16-program

Oral Presentations from 12:45 to 5 pm
University Library, Building 15

Session 1: Graduate Biological and Agricultural Sciences

Location: 1st Floor, Room 1802

NO.	TIME	LEAD AUTHOR	CO-AUTHORS	FACULTY MENTOR(S)	TITLE
1.1	1:15 PM	Sabrina Medrano		Dr. Angel Valdes	It loves me, it loves me not: Counting species of the "rose petal sea slug," Polybranchia (Mollusca: Gastropoda) with a molecular systematics approach.
1.2	1:30 PM	Jennifer McCarthy		Dr. Ángel Valdés	The slug within the bivalve: Reconciliation of shell-based taxonomy and molecular data in Juliidae (Heterobranchia: Sacoglossa)
1.3	1:45 PM	Kun Lee		Dr. Wei-Jen Lin	Microbiological Quality of Packaged Ice from Various Sources in Southern California
1.4	2:00 PM	Yuguang Zheng	Thomas Dandin, Giselle Hernandez	Dr. Yao Olive Li and Dr. Yan Liu	Effect of Dietary Fiber on in vitro Bioavailability of Minerals in Fiber-enriched Pasta Products
	2:15 PM	Break			
1.5	2:30 PM	Robert Fitch		Dr. Erin Questad	The interaction of nitrogen and topography on the physiology of <i>Stipa pulchra</i>
1.6	2:45 PM	Paulina Villanueva	Jonathan Tringali, Sam Ho	Dr. Jill Adler-Moore	Efficacy in Mice of a Liposomal Influenza M2e Vaccine Containing the TLR3 Adjuvant, dsRNA
1.7	3:00 PM	Jennifer Rubio	Eleana Guardado	Dr. Jill Adler-Moore	Efficacy against vaginal Herpes virus infection by Lipidated or Non-Lipidated Tucaresol adjuvants in a Herpes gD tripeptide liposomal vaccine
1.8	3:15 PM	Alma Madrigal		Dr. Yuanxiang (Ansel) Zhao	Regulator of G protein signaling 2 (RGS2) in Human Adipogenesis and Osteogenesis
	3:30 PM	Break			
1.9	3:45 PM	Carmel Pearson		Dr. Joan Leong	Bee Diversity and Abundance in a Coastal Sage Scrub Community
1.10	4:00 PM	Hessam Ghanimi		Dr. Angel Valdes	The phylogenetic reconstruction of the genus <i>Berthella</i> using molecular and morphological traits
1.11	4:15 PM	Killian Fleurial		Dr. Edward Bobich	Stand Demographics, and Plant Anatomy and Physiology of <i>Juglans californica</i> in Response to Extreme Drought
1.12	4:30 PM	Asseneth Berbeo		Dr. Edward Bobich	Flora of the San Jose Hills

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Oral Presentations from 12:45 to 5 pm
University Library, Building 15

Session 2: Business, Economics, and Public Administration; Behavioral and Social Sciences

Location: 1st Floor, Room 1808

NO.	TIME	LEAD AUTHOR	CO-AUTHORS	FACULTY MENTORS	PROJECT TITLE
2.1	2:00 PM	Steve Ngo		Dr. Wei Yu	Application of Relative Valuation Model to Firm Valuation
2.2	2:15 PM	Kelly Tolle	Sarah Angelia	Dr. Jae Min Jung	Using Mobile Apps to Foster Brand Loyalty in Millennials
2.3	2:30 PM	Karen Ortegon		Dr. Michael Cholbi	Promoting Impartiality Within Police Misconduct Investigations
2.4	2:45 PM	Daniel Gomez		Dr. Ruben Martinez	The Market Economy, Non Academic Organizations, and the University: Impacts on Professor's Knowledge Production in the U.S. Social and Environmental Sciences
	3:00 PM	Break			
2.5	3:15 PM	Ashish Hingle		Dr. Sonya Zhang	The Evolution of News and Media Websites
2.6	3:30 PM	Stacey De La Riva		Dr. Don Page and Ms. Wendolyn Vermeer	Eye of The Beholder: The Effects of Advertising on The Perception of Beauty In South Korea
2.7	3:45 PM	Shunto Kobayashi		Dr. Craig Kerr	Prize Money and Crashes in NASCAR

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Oral Presentations from 12:45 to 5 pm
University Library, Building 15

Session 3: Undergraduate Biological and Agricultural Sciences; Health, Nutrition, and Clinical Sciences

Location: 1st Floor, Room 1814

NO.	TIME	LEAD AUTHOR	CO-AUTHORS	FACULTY MENTOR(S)	PROJECT TITLE
3.1	1:15 PM	Yee Teng Moo	Lauren Chuman, Carol Pow Sang	Dr. Harmit Singh	Investigation of changes in monomeric anthocyanins during sulfite treatment
3.2	1:30 PM	Nalinee Chalongsongse	Gabrielle De Leon	Dr. John Chan	Effect of Nicotine and Sugar on the Growth and Biofilm Formation of <i>Pseudomonas aeruginosa</i>
3.3	1:45 PM	Christian Garrido	Angela Liu, Adrian Ortiz, Renault Ong	Dr. Ertan Salik , Dr. Shelton Murinda, and Dr. Wei-Jen Lin	Development of fiber optic biosensors for rapid detection of Methicillin-Resistant <i>Staphylococcus aureus</i>
3.4	2:00 PM	Elbert Chen	Tatiana Metchkoff, Jaime Flores	Dr. Michael T.C. Liang	High-frequency low-magnitude body vibration exercise on bone mineral density and body composition in physically active adults
3.5	2:15 PM	Jordan Kitt	Mytruc Dang	Dr. Peng Sun	Electrochemical Study of Pt Nanoparticles
	2:30 PM	Break			
3.6	2:45 PM	Michael Luzuriaga		Dr. Michael Page	Analysis of Poly-hydroxylated Biodiesel Through GC-MS
3.7	3:00 PM	Phillip Lwin	Liana Ab Samad, Melissa Guzman Morris	Dr. Wei-Jen Lin	Studying Hemagglutinin Protein Interactions in Botulinum Neurotoxin Complex
3.8	3:15 PM	Lindsay Hetrick	Lindsay Hetrick, Yu-Huey Lin, and Junjun Liu	Dr. Junjun Liu	Atrazine and malathion shorten the maturation process of <i>Xenopus</i> leaves oocytes and have an adverse effect on early embryo development
3.9	3:30 PM	Sean Yazdi	Andres Ceja, Abraham Morales, Vien Nguyen	Dr. Reza Lakeh and Dr. Ali Sharbat	Solar-assisted Inland Brackish Water Desalination System
3.10	3:45 PM	Tiffany Yang	Rafael Martin Del Campo, Julia Conchas, Ali Hasan, Giselle Hernandez	Dr. Yao Olive Li	Calpollini- a rice flour-based gluten-free pasta enriched with protein and dietary fiber
	4:00 PM	Break			
3.11	4:15 PM	Su Yeon Kim		Dr. Robert Talmadge	Quantifying MyHC isoforms in WT and HD transgenic mice
3.12	4:30 PM	Jade Lolarga		Dr. Jijun Hao	Generation of Integration-Free Feline Induced Pluripotent Stem Cells
3.13	4:45 PM	Sabah Baig	Musa Fareed, Nicole Tellez	Dr. Yao Olive Li	Flaming Crisp - a novel RTE product based on under-utilized ingredients and suitable for HPP processing

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Oral Presentations from 12:45 to 5 pm
University Library, Building 15

Session 4: Behavioral and Social Sciences; Humanities and Letters

Location: 1st Floor, Room 1822

NO.	TIME	LEAD AUTHOR	CO-AUTHORS	FACULTY MENTOR(S)	PROJECT TITLE
4.1	1:15 PM	Vanessa Baca		Dr. Alejandro Morales	School-Work-Life Balance among College Students
4.2	1:30 PM	Alexandra Rivas Ixtlahuac		Dr. Eleonora Rossi	Tip of the Tongue Phenomenon in Bilinguals: Is there an effect of bilingual language control?
4.3	1:45 PM	Paul Rogo		Dr. Juliana Fuqua	Mode of transportation and commuting stress in Melbourne, Australia
4.4	2:00 PM	Jimena Jaramillo		Dr. Nicholas Von Glahn	Surface Texture Effects on Grounded Cognition and the Gendering of Faces
	2:15 PM	Break			
4.5	2:30 PM	Audrey Aday		Dr. Viviane Seyranian	Belonging Uncertainty Among Women in Engineering: Can Wonder Woman Save the Day?
4.6	2:45 PM	Sekani Robinson		Dr. Erica Morales, and Dr. Mary Danico	What's There To Cheer About?: How Does Cheerleading Affect the Identity of Young Girls of Color
4.7	3:00 PM	Ashley Van Vliet		Dr. Valerie Mellano and Dr. Anna Soper	Knowledge of California Residents on Citrus Greening Disease
4.8	3:15 PM	Marwa Mhtar		Dr. Jill Wenrick	Impact of Western Dietary Pattern on Development of Incident and Recurrent Clostridium difficile Associated Disease: A Systematic Review
	3:30 PM	Break			
4.9	3:45 PM	Jessica Galvan		Dr. Mark Williams	Is Competence to Stand in Trial, Affected by an Underlying Structure of Psychiatric Symptoms or a Forensic Psychiatric Patient's demographics?
4.10	4:00 PM	Emilio Medina	Gracie Flicker, Jason Nerio, Jessica Galvan, Sarine Aratoon, and Diana Castro.	Dr. Viviane Seyranian	Can Non-Verbal Behavior Mitigate the Effects of Stereotype Threat?
4.11	4:15 PM	Jessenia Tovar	Nicole Duong	Dr. Viviane Seyranian	Charismatic Leadership and Perception during a Crisis
4.12	4:30 PM	Berenice Monarrez	Not Applicable	Dr. Jack Fong	An Integrative Outlook on Burn Survivors and Post-traumatic Growth

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Oral Presentations from 12:45 to 5 pm
University Library, Building 15

Session 5: Engineering and Computer Science

Location: 1st Floor, Room 1828

NO.	TIME	LEAD AUTHOR	CO-AUTHORS	FACULTY MENTOR(S)	PROJECT TITLE
5.1	1:00 PM	Emerson Baker	Isaac Guzman, Edward Gomez	Dr. Subodh Bhandari	Modeling and Simulation of the Mars Glider
5.2	1:15 PM	Edward Gomez	David Hunter, Daniel Garcia	Dr. Subodh Bhandari	Simulation Environment for Testing UAS Collision Avoidance System
5.3	1:30 PM	Thang Vo	Adrew Kim, Jassimran Sokhi	Dr. Ha Le	Development, Testing and Implementation of Vehicle to Grid Functionality
5.4	1:45 PM	Oleg Tosltov		Dr. Yu Sun	Head Coupled Perspective for Mobile Devices
	2:00 PM	Break			
5.5	2:15 PM	Joe Furukawa		Dr. Vilupanur Ravi	High Temperature Cyclic Oxidation of Aluminized Nickel Chromium Alloys
5.6	2:30 PM	Roshan Rathod		Dr. Yu Sun	IoTCom: Automating the Development of Communication Channels for Internet of Things Applications
5.7	2:45 PM	Zachary Kysar		Dr. Yu Sun	A Web Service for Parking Exchange
5.8	3:00 PM	Jonathan Johannsen		Dr. Yu Sun	Distraction-Free Writing Device
	3:15 PM	Break			
5.9	3:30 PM	Connor Knowles	Erick Santiago, Stephanie Schlagel, Dr. Vilupanur Ravi	Dr. Vilupanur Ravi	Ceramic Matrix Composites Formed by Directed Metal Oxidation
5.10	3:45 PM	Susan Karakira		Dr. Vilupanur Ravi	Aluminization of Cobalt and a Cobalt-based Superalloy
5.11	4:00 PM	Bradley Stuart	Obed Villapando	Dr. Vilupanur Ravi and Dr. Juan Carlos Nava	Hot Corrosion of Nickel-Chromium Alloys in a Molten Eutectic Salt Environment
5.12	4:15 PM	Max Wolotsky		Dr. Mohammad Husain	Developing a Coercion Resistant Authentication System Using Physiological and Neurological Responses to Music
5.13	4:30 PM	Jordan DeHaven	Joey Girardini	Dr. Ertan Salik	Enhancing the Limit of Detection of a Biconically Tapered Fiber Optic Sensor

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Oral Presentations from 12:45 to 5 pm
University Library, Building 15

Session 6: Behavioral and Social Sciences; Humanities and Letters; Education

Location: 1st Floor, W.K. Kellogg Arabian Horse Library

NO.	TIME	LEAD AUTHOR	FACULTY MENTORS	PROJECT TITLE
6.1	1:00 PM	Adrienne Jaime	Dr. Eileen Wallis	The Lost Neighborhood of Bunker Hill, Los Angeles: Decline in the Inter-War Period (1918-1941).
6.2	1:15 PM	Jeffrey Nelson	Dr. Terence Young	Historic Districts: Product of Attractions
6.3	1:30 PM	Kimberly Castaneda	Dr. Terrence Young	Boyle Heights: The Jewish Community and the Freeways that Drove them away
	1:45 PM	Break		
6.4	2:00 PM	Alexis Ojinaga	Dr. Mario Guerrero	The past, present and future: A comparative look into how social media effects fundraising and strategies of presidential campaigns.
6.5	2:15 PM	Travis Barrett	Dr. Mario Guerrero	"The Ego-centric Presidency: How Presidents Use Language to Communicate with the American Public"
6.6	2:30 PM	Tommy Orona	Dr. Mario Guerrero	Promises, Promises: The policy proposals of George W. Bush and Barack Obama
	2:45 PM	Break		
6.7	3:00 PM	Natalie Reyes	Dr. Mario Guerrero	The Personal and the Political: An Analysis on the Relationship Between Feminist Identity, Gender, and Partisanship
6.8	3:15 PM	Phelicita Bell	Dr. Jodye Selco	How Use of an On-Line Simulation Help Students Understand Chemical Equilibrium
6.9	3:30 PM	Marco Covarrubias	Dr. Pablo R. Arreola	The Generation of 1959: Competing Visions of the Cuban Revolution

*Research,
Scholarship*

*& Creative
Activities*

Established 2013

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Oral Presentations from 12:45 to 5 pm
University Library, Building 15

Session 7: Engineering and Computer Science; Physical and Mathematical Sciences

Location: 2nd Floor, Room 2907

NO.	TIME	LEAD AUTHOR	CO-AUTHORS	FACULTY MENTOR(S)	PROJECT TITLE
7.1	1:00 PM	Jordan Jarnagin	Aaron Thormodsen, Brandon Lace	Dr. Maryam Shafahi	Aquaponics
7.2	1:15 PM	Dylan Vogt	Vilma Gonzalez	Dr. Vilupanur Ravi	Halide Activated Pack Aluminizing of Steels
7.3	1:30 PM	Michell Aranda	Daniel Navarro, Ani Nazari	Dr. Vilupanur Ravi	Pack Aluminization of Austenitic Stainless Steels
7.4	1:45 PM	Obed Villalpando	Blake Morris, Jason Wang, Jared Logier	Dr. Vilupanur Ravi	Hot corrosion of steels in chloride salts for concentrated solar power generation environments
	2:00 PM	Break			
7.5	2:15 PM	Christopher Thomas	Stephanie Osorio, Christian Mui	Dr. Ali Sharbat	Development of A Zero Carbon-Footprint Desalination System
7.6	2:30 PM	Nathan Jo		Dr. Giuseppe Lomiento	Energy-Based Design Method For Seismic Isolators In Highway Bridges
7.7	2:45 PM	Zabdiel Garcia		Dr. Giuseppe Lomiento	Enhanced Seismic Protection of Oil Rigs
7.8	3:00 PM	Elie Hasso		Dr. Giuseppe Lomiento	Energy Mapping for Seismic Design of Structures
	3:15 PM	Break			
7.9	3:30 PM	Jessica Maldonado		Dr. Matthew Povich	Probabilistic HR Diagrams: A New Infrared and X-ray Chronometer for Very Young, Massive Stellar Clusters and Associations
7.10	3:45 PM	Rudy Mislant		Dr. Omar E. Mora and Mr. Allan Ng	Repeatability Performance Evaluation of RTK and VRS Positioning Networks: A Case Study on the Cal Poly Pomona Campus
7.11	4:00 PM	Emily Yu		Dr. Rosa Vasconez, PE, LEED AP	Analysis of National Bridge Inventory (NBI) Data for California Bridges
7.12	4:15 PM	Julian Andrews		Dr. Matthew Povich	Discovering Massive Runaway Stars with Infrared Bow Shock Nebulae: First Results

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Oral Presentations from 12:45 to 5 pm
University Library, Building 15

Session 8: Engineering and Computer Science; Physical and Mathematical Sciences

Location: 2nd Floor, Room 2913

NO.	TIME	LEAD AUTHOR	CO-AUTHORS	FACULTY MENTOR(S)	PROJECT TITLE
8.1	1:00 PM	James Roska	Patrick Hogan, Harjot Gill, Gevork Kazaryan, Jeremy Mortrud	Dr. Keith Forward	Electrospun Polyvinylidene Membranes for Direct Contact Membrane Distillation
8.2	1:15 PM	Andy Quan	Jennifer Lopez, Sam White, Cynthia Montanez	Dr. Keith Forward	Triboelectric Charging of Insulators
8.3	1:30 PM	Jeremy Lewis	Anh Lam, Grace Machado, Michelle Miner, Cuong Nguyen	Dr. Keith Forward	Free Surface Electrospinning of Microemulsions Containing Vitamin E
8.4	1:45 PM	Derek Havel	Sabrina Schnakenberg, Donald Tran, Matthew Lopez, Elizabeth Arciga, Vincent Moya, Mitchell Moon, Josh Harris, Domingo De La Cruz, Amy Eisenbeisz	Dr. Laila Jallo	Particle and Bulk level Characterization of Pharmaceutical Powders
	2:00 PM	Break			
8.5	2:15 PM	Thanh Bui	Steven Chao	Dr. Mingheng Li	Concentration Polarization in Industrial Reverse Osmosis Desalination
8.6	2:30 PM	Pablo Unzueta		Dr. Francis Flores	A Kinetic Study of (3-oxo-3-phenyl-1-propen-1-yl)-Ferrocene: A Chalcone Derivative
8.7	2:45 PM	Hsien-Te Kao		Dr. Jennifer Switkes	The Hidden Epidemic in Our Mind
8.8	3:00 PM	Sutine Sujittosakul	Elvin Sepanosian, Micheal Huluf	Dr. Vilupanur Ravi	Diffusion Model of Aluminide Coatings
	3:15 PM	Break			
8.9	3:30 PM	Karyna Banuelos		Dr. Vilupanur Ravi	Effects of chromium diffusion in aluminized nickel chromium alloys
8.10	3:45 PM	Miguel Reyes		Dr. Vilupanur Ravi	Corrosion Behavior of Coated and Uncoated Nickel and Stainless Steel in PEM Fuel Cell Environments
8.11	4:00 PM	Kevin Robles	Jackie Medina, Luan Nguyen, Ruby Rodriguez, Shay McCarthy	Dr. Vilupanur Ravi	Electrochemical Evaluation of Advanced Titanium Alloys in Simulated Physiological Environments
8.12	4:15 PM	Gamer Margoosian		Dr. Vilupanur Ravi	Laboratory Simulation of Marine Corrosion of Metallic Alloys

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Oral Presentations from 12:45 to 5 pm
University Library, Building 15

Session 9: Engineering and Computer Science

Location: 3rd Floor, Grand Reading Room

NO.	TIME	LEAD AUTHOR	CO-AUTHORS	FACULTY MENTORS	PROJECT TITLE
9.1	12:45 PM	Paul Navarro		Dr. Subodh Bhandari	Detecting Physical Plant Defects using Aerial Imagery
9.2	1:00 PM	Nathaniel Falwell	Daniel Boebinger, Christopher Kuba	Dr. Subodh Bhandari	Prandtl-M Trajectory Analysis for High Altitude Balloon Drop Test
9.3	1:15 PM	Isaac Guzman		Dr. Subodh Bhandari	Autonomous Path Planning System for Unmanned Aerial Vehicles
9.4	1:30 PM	Shannen Acedillo		Dr. Alexander Rudolph	Human Exploration of Phobos and Deimos: Robotic Precursor Measurements
9.5	1:45 PM	Lilliana Ochoa		Dr. Mehrdad Haghi	Failure Criteria of FDM-Printed Parts
	2:00 PM	Break			
9.6	2:15 PM	Anthony Klaib		Dr. Todd Coburn	Wind Tunnel Study of the Aerodynamic Effects of Dimples on the Fuselage of an Aircraft
9.7	2:30 PM	Travon Dent		Dr. Ha Le	Developing Bi-directional Charging Functions for Electric Vehicles
9.8	2:45 PM	Dean Coco		Dr. Zekeriya Aliyazicioglu	Computer Vision Real-Time Hazard Detection in High-Power Rockets using Raspberry Pi
9.9	3:00 PM	Kathleen Bishop	Paul Fizer, Dabin Kim, Phuong Huynh, Adriel De Jesus, Alejandro Navarro, Nader Majzoub	Dr. Jonathan Puthoff	Hibiscus Stained Dye Sensitized Solar Cells
	3:15 PM	Break			
9.10	3:30 PM	Brianna Cook	Josh Yamaguchi, Matthew Galazzo, Luke Gibson	Dr. Keith M. Forward	Development of Ceramic Metal Oxide Membranes By Means of Reactive Electrospinning
9.11	3:45 PM	Ana Vargas	Matthew Gonzalez, Robert Bufanda	Dr. Monica Palomo	Denitrification Removal Efficiency of Different Media of Surface Water
9.12	4:00 PM	Amy Phan	Daniel Garcia	Dr. Subodh Bhandari	Vision Based Navigation in GPS Denied Environment
9.13	4:15 PM	Randy Castro	Robert Cameron, Trevor Snay, Nishanth Mahankali	Dr. Maryam Shafahi and Dr. Kevin R. Anderson	Analysis of Nanofluid Heat Pipe's Thermal Performance
9.14	4:30 PM	Luis Morales		Dr. Yong X. Gan	Nanostructures: Conductive Nanofibers

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Oral Presentations from 12:45 to 5 pm
University Library, Building 15

Session 10: Humanities and Letters; Behavioral and Social Sciences

Location: 4th Floor, Special Collections

NO.	TIME	LEAD AUTHOR	CO-AUTHORS	FACULTY MENTORS	PROJECT TITLE
10.1	12:45 PM	Jessica Santos		Dr. Dewey Hall	Remember the Roots
10.2	1:00 PM	Alejandra Pulido		Dr. Karen Russikoff	Directions for English Learners Success
10.3	1:15 PM	Blake Eaton		Dr. Michael Cholbi	Revising the Endangered Species Act of 1973
10.4	1:30 PM	Kristin Kawecki		Dr. Dewey Hall	A Girlish Nature: Ecofeminism in Samuel Taylor Coleridge's "Christabel"
	1:45 PM	Break			
10.5	2:00 PM	Montserrat Gonzalez		Dr. Marta Albala	The construction of a hero: Rodrigo Díaz de Vivar through his epic adventures in Las Mocedades de Rodrigo and El Cantar de Mio Cid
10.6	2:15 PM	Karla Ayala		Dr. Marta Albala Pelegrin	Testimonials after DACA in Southern California: Lack of Equality
10.7	2:30 PM	Violeta Villagomez		Dr. Marta Albalá Pelegrín	"The Songs We Sing: a Dreamer's Lyric (1985-2015)"
10.8	2:45 PM	Mecir Ureta		Dr. Marta Albalá Peligrín and Dr. Kent Dickson	"After-effects of Sendero Luminoso Violence in Santiago Roncagliolo's Abril rojo"
	3:00 PM	Break			
10.9	3:15 PM	Alfredo Raygoza		Dr. Marta Albala Pelegrin	Comic relief, and the dangers of a bystander: a note on the domestication of the Lazarillo de Tormes
10.10	3:30 PM	Zainab Parekh	Allison Bruins, Jorge Larios	Dr. Noel Houck	Acquiring Lexical Feedback
10.11	3:45 PM	Estephanie Munoz	Not Applicable	Dr. Jose Aguilar Hernandez	Militarization of Latina/o Youth

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Oral Presentations from 12:45 to 5 pm
University Library, Building 15

Session 11: Graduate Biological and Agricultural Sciences; Health, Nutrition, and Clinical Sciences

Location: 4th Floor, Special Events

NO.	TIME	LEAD AUTHOR	CO-AUTHORS	FACULTY MENTORS	PROJECT TITLE
11.1	12:45 PM	Jennifer Enriquez		Dr. Andrew Steele	The Dopamine Transporter (DAT) is not required for entraining circadian rhythms to scheduled feeding but is required for diet-induced obesity
11.2	1:00 PM	Haleh Golestani		Dr. Angel Valdes	ASYMMETRIC GENETIC INTROGRESSION OF AN INVASIVE SEA SLUG IN A NATIVE MEDITERRANEAN SPECIES
11.3	1:15 PM	Clara Jo King		Dr. Ángel Valdés	Southern Invasion: Population Genetics of <i>Phidiana hiltoni</i>
11.4	1:30 PM	Eleana Guardado	Jennifer Rubio	Dr. Jill Adler-Moore	Evaluation of Lipidated and Non-Lipidated CDN Adjuvants in a gD Peptide Liposomal Vaccine for HSV-2 Murine Intravaginal Infection
	1:45 PM	Break			
11.5	2:00 PM	Hernan Reza	William Morris	Dr. Jill Adler-Moore	Comparative Efficacy of a Liposomal <i>Aspergillus</i> Protein Vaccine Containing Different Immunomodulatory Adjuvants Used to Prevent Murine Pulmonary Aspergillosis
11.6	2:15 PM	Adam Marentes		Dr. Nancy Buckley	Role of the Peripheral Cannabinoid Receptor in the response to systemic <i>Candida albicans</i> infection in mice
11.7	2:30 PM	Sarah Kent		Dr. Nancy Buckley	Effect of 17 β -Estradiol and dihydroxytestosterone on <i>Candida albicans</i> growth rate and on <i>Candida albicans</i> -induced cytokine secretion from macrophages.
11.8	2:45 PM	Glen Morrison		Dr. Erin Questad	The Role of Phosphorus on the Health and Success of <i>Pennisetum setaceum</i>
	3:00 PM	Break			
11.9	3:15 PM	Asma Ayyad		Dr. Erin Questad	Juglone Concentration in Soil Underneath the California Black Walnut (<i>Juglans californica</i>) Throughout the Growing Season
11.10	3:30 PM	Borman Quinonez		Dr. Edward Bobich	The Effects of Varying Concentrations of Juglone on the Germination and Seedling Success of <i>Frangula californica</i> , <i>Heteromeles arbutifolia</i> , and <i>Prunus ilicifolia</i>
11.11	3:45 PM	Eric Breslau		Dr. Ángel A. Valdés	Phylogenetic Analysis of <i>Dolabrifera dolabrifera</i> and <i>Dolabrifera brazieri</i>
11.12	4:00 PM	German Lagunas-Robles		Dr. Peter Arensburger	Identification of DNA Transposable Elements in the Tasmanian Devil (<i>Sarcophilus harrisii</i>) Genome
11.13	4:15 PM	Mark Ellie Alonzo		Dr. Peter Arensburger	Identification of the Genes that Regulate Silk Production in Spiders: A Computational Biology Approach

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Poster Presentations from 4 to 5 pm
Bronco Student Center, Ursa Major

NO.	LEAD AUTHOR	CO-AUTHORS	FACULTY MENTOR(S)	DISCIPLINE	PROJECT TITLE
1	Gabriela Garza-Vazquez		Dr. Andrew Steele	Biological and Agricultural Sciences	To binge or not to binge: Studying the effects of Dopamine Receptor 1 signaling on feeding in mice
2	Jyoti Uppal		Dr. Bharti Sharma and Dr. Gregory Barding	Biological and Agricultural Sciences	Tissue culture and metabolite profiling of submergence tolerant rice M202 (Sub 1)
3	Cezar Osuna		Dr. Christos Stathopoulos	Biological and Agricultural Sciences	Characterization of Outer Membrane Vesicles in Probiotic Esh
4	Danielle McHaskell		Dr. Jayson Smith	Biological and Agricultural Sciences	The effects of phlorotannin concentrations of brown seaweeds (Phaeophyceae) on the feeding rates of the black sea hare <i>Aplysia vaccaria</i>
5	Marina De Leon	Dr. Jonah Piovia-Scott, Dr. Vance Vredenburg	Dr. Wei-Jen Lin	Biological and Agricultural Sciences	Recent emergence of the fungal pathogen <i>Batrachochytrium dendrobatidis</i> in northern California Cascades Frogs (<i>Rana cascadae</i>)
6	Hansini Vitharanage	Jennifer C. Lopez	Dr. Steve Alas	Biological and Agricultural Sciences	<i>Staphylococcus epidermidis</i> and <i>Pseudomonas aeruginosa</i> Biofilm Formation on Plasma Treated Prosthetic Alloys
7	Alyssa Sancio	Sharon Wu, Yash Patel	Dr. Shelton Murinda	Biological and Agricultural Sciences	Universal Detection of Cyanobacteria and Their Toxins Using PCR for Safe Algae-based Feed Production
8	Shirleen Simargi		Dr. Jill Adler-Moore and Dr. Jon Olson	Biological and Agricultural Sciences	Establishing a diet-induced type II diabetes model in ICR male mice with nicotinamide/streptozotocin induction
9	Lauren Chuman	Yee Teng Moo, Carol Pow Sang, Abdulrahman Al-azazi	Dr. Harmit Singh	Human, Nutrition, and Clinical Sciences	Investigation of the rate of degradation of grape anthocyanins in the presence of ascorbic acid using an accelerated shelf life test (ASLT) method
10	Natalie Eulogio	Isis Janilkarn-Urena	Dr. Marcia Murry-Ewers	Biological and Agricultural Sciences	Characterization of Native Microalgae for Bioremediation coupled to Feed Production
11	Timothy Batz		Dr. Bharti Sharma	Biological and Agricultural Sciences	Development of efficient tissue culture and transformation protocols for <i>Aquilegia</i>
12	Patricia Galvan	Leanna Little Dog, Anthony Chew	Dr. Shelton Murinda	Biological and Agricultural Sciences	Use of PCR for Detection of Mastitis-Causing Pathogens Isolated from Bovine Quarter Milk Samples
13	Daniel Saavedra	Daniel Saavedra, Clinton Tong, Monica Paz, Dulce Ayala	Dr. Peng Sun	Biological and Agricultural Sciences	An All-Solid State pH Sensor Based on Pd Nanoparticle Sensing
14	Vivianne Mitri	Hosne Afrin, Ursala Simonoski, Christopher Buglino, David Afework, Crystal Carter, Melissa Howe, Odette Hovsepian	Dr. Glenn H. Kageyama	Biological and Agricultural Sciences	High Resolution Microscopic Imaging of Functionally Specialized Cytochrome Oxidase-Rich Epithelial Cells in the Rat Salivary Gland, Kidney and Stomach
15	Kristen Murphy	Elena Rhodes	Dr. Chitra Dabas and Dr. Cynthia Reagan	Biological and Agricultural Sciences	Acceptance of Aerobic Apparel with Heating and Icing Capabilities
16	Kristin Kaweck		Dr. Allison Baker	Humanities and Letters	Propping up Folk Tales, Frozen in Time: Analysis of "The Snow Queen" and Frozen with Propp's 31 Narratememes
17	Melody Sycks		Dr. Andrew Steele	Biological and Agricultural Sciences	Analysis of nutrient absorption in obesity resistant mice by adiabatic bomb calorimetry
18	Nicole Perkins		Dr. Gregory A. Barding and Dr. Rakesh Mogul	Biological and Agricultural Sciences	Isotope Labeling in Astrobiology: Ethanol as a Carbon Source
19	Elizabeth Martinez		Dr. Gregory Barding	Biological and Agricultural Sciences	Quantification of Trehalose and Other Sugars in Submergence Resistance Rice

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Poster Presentations from 4 to 5 pm
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NO.	LEAD AUTHOR	CO-AUTHORS	FACULTY MENTOR(S)	DISCIPLINE	PROJECT TITLE
20	Rachel Wampler	Jordan Kitt, Nina Tran, Daniel P. Saavedra, Jungik Hong,	Dr. Peng Sun	Biological and Agricultural Sciences	Voltammetry on a Nanometer-sized Electrode in Solution Containing Very Dilute Electroactive Species
21	Ching Man Choy		Dr. Yan Liu	Biological and Agricultural Sciences	Investigation of Flow Inside Paper-Based Analytical Devices
22	Priscilla Babiak	Tatiana Galanto, Maryam Dadi, Robert Bates	Dr. Laila Jallo	Engineering and Computer Science	Engineering Cosmetic Powders
23	Samantha Secor	Anthony Simon	Dr. Hubertus von Bremen	Physical and Mathematical Sciences	Exploration of Newton's Method
24	Fany Salazar	Huyen Le	Dr. Mitsuo Kobayashi and Dr. Berit Givens	Physical and Mathematical Sciences	Characterizing Primitive Nondeficient Numbers with a Given Number of Primes
25	Stephen Alatorre		Dr. Ertan Salik	Physical and Mathematical Sciences	Current Sensor Casing for Accurate Current Measurements in High-Power Transmission Lines
26	Julien Okey	Brandi Wooten, Jose Flores	Dr. Ertan Salik	Physical and Mathematical Sciences	Enhancing Sensitivity and Robustness of Tapered Fiber Optic Sensors
27	Fany Mercado		Dr. Jorge Moreno	Physical and Mathematical Sciences	Interaction Induced Size Evolution in Galaxies
28	Chon in Luk		Dr. Yu Sun	Engineering and Computer Science	Bronco shuttle plus
29	Eric Walz	Tunji Owolabi	Dr. Zhen Yu	Engineering and Computer Science	3D Sensor for Structural Health Monitoring of Civil Infrastructure
30	Kurt Paul	Danny Vera, Hector Cardenas, Sean Yazdi	Dr. Ali Sharbat	Engineering and Computer Science	Water Reuse
31	Rita Eick	Emerson Baker, Hali Arriaga, Jorge Rivera, Wesley Miller, David Hunter, Eric Johnson	Dr. Steven K. Dobbs	Engineering and Computer Science	Regenerative Aerospace
32	Jae Jung		Dr. Jae Min Jung and Dr. Sonya Zhang	Business, Economics, and Public Administration	The Impact of Cultural Value and Cognitive Style on Web Usability

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Performance Presentation at 5 pm
Bronco Student Center, Ursa Major

LEAD AUTHOR	CO-AUTHORS	FACULTY MENTOR(S)	CATEGORY	PROJECT TITLE
Jennifer Gerry	Brenda Reyes-Chavez, Gabriela Garza-Vazquez, Manuel Macias, Amber Hauss, Cylinda Joy Haynes	Dr. Gayle Fekete	Creative Arts and Design	Research in Dance Making

